

CLAIMS

1. – 8. (Canceled)

9. (Currently Amended) An apparatus, comprising:

a feedback path having a first node and a second node, the feedback path comprising a current sensing portion, ~~[[and]]~~ an analog-to-digital converter, a direct current cancellation portion, a current limiter portion, a digital-to-analog converter and a switch, wherein the analog-to-digital converter is adapted to process voice signals, and wherein the first node is coupled to the analog-to-digital converter input and the second node is coupled to the digital-to-analog converter output; ~~[[a]]~~wherein the switch being for coupling adapted to couple the first and second nodes of the feedback path in response to receiving a control signal; ~~wherein lesser current flows through the analog-to-digital converter in the feedback path as a result of coupling the first and second nodes;~~ and

a ringing generator for providing a ringing signal to a subscriber line in response to the control signal.

10. (Previously Presented) The apparatus of claim 9, further including circuitry for: receiving at least a portion of the transmitted ringing signal from the subscriber line; and delivering the portion of the received ringing signal to the first node of the feedback path.

11. (Previously Presented) The apparatus of claim 10, wherein the analog-to-digital converter of the feedback path converts the received ringing signal to a digital signal.

12. (Original) The apparatus of claim 11, further including ring-trip detection logic, wherein the ring-trip detection logic generates a ring-trip detection indication in response to the digital signal.

13-18. (Cancelled).

19. (Currently Amended) A method, comprising:

processing a signal received over a subscriber line by one or more components in a first path, the first path having a first node and a second node, ~~[[and]]~~ a current sensing portion, an analog-to-digital converter, a direct current cancellation portion, a current limiter portion, a digital-to-analog converter and a switch, wherein the first node is coupled to the analog-to-digital converter input and the second node is coupled to the digital-to-analog converter output;

receiving a control signal;

coupling the first node and the second node of the first path in response to receiving the control signal ~~such that lesser current flows through at least one of the components while the first node and the second node are coupled;~~ and
providing a ringing signal to the subscriber line responsive to the control signal.

20. (Previously Presented) The method of claim 19, wherein the first path is a voice path, and wherein processing the signal comprises processing a voice signal received over the subscriber line.

21. (Previously Presented) The method of claim 19, wherein the first path is a loop supervision path, and wherein processing the signal comprises processing a DC signal received over the subscriber line.

22. (Currently Amended) An apparatus, comprising:

means for processing a signal received over a subscriber line by one or more components

in a first path, the first path having a first node and a second node, ~~[[and]]~~ a current sensing portion, an analog-to-digital converter, a direct current cancellation portion, a current limiter portion, a digital-to-analog converter and a switch, wherein the first node is coupled to the analog-to-digital converter input and the second node is coupled to the digital-to-analog converter output;

means for receiving a control signal;

means for coupling the first node and the second node of the first path in response to receiving the control signal, ~~wherein the coupling of the first node and the second node allows lesser current to flow through at least one of the components;~~ and means for providing a ringing signal to the subscriber line responsive to the control signal.

23. – 24. (Cancelled).